

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/823,101

DATE: 04/23/2001  
 TIME: 13:28:27

Input Set : A:\Dex-2051.app  
 Output Set: N:\CRF3\04232001\I823101.raw

ENTERED

3 <110> APPLICANT: Pluta, Jason  
 4 Chen, Sei-Yu  
 5 Hu, Ping  
 6 Recipon, Herve  
 7 Macina, Roberto  
 9 <120> TITLE OF INVENTION: Compositions and Methods for Diagnosing, Monitoring,  
 10 Staging, Imaging, and Treating Stomach Cancer  
 12 <130> FILE REFERENCE: DEX-0205  
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/823,101  
 C--> 15 <141> CURRENT FILING DATE: 2001-03-30  
 17 <150> PRIOR APPLICATION NUMBER: 60/193,095  
 18 <151> PRIOR FILING DATE: 2000-03-30  
 20 <160> NUMBER OF SEQ ID NOS: 19  
 22 <170> SOFTWARE: PatentIn Ver. 2.1  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 542  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Homo sapiens  
 29 <400> SEQUENCE: 1  
 30 acatgacatt ggaaccagag atctgagtga agactcacat tatggttaaca agaccagaac 60  
 31 tcctaaggtt aagtgagggg aagggtctaga acaaaatagg aaaaagagaa aaaagagagg 120  
 32 tcattagtgg ggaaggttag gccagagagc aggcagagac cacatgacct taatatggaa 180  
 33 aacagaacat tcttgtgttag gtccactcat gctcagtgcc actgaaaaat ccagctctcc 240  
 34 agttttctat atgcagagaa aaaggacagg aaggaaatat gccaaaaatag tcacagtgat 300  
 35 tttgtctgag tgggtgaatta tggctgattc tttgttcttt ttatatctcc aaatttttat 360  
 36 aagagcacag aaatactttt aagaatttct gactacaaaa aattggtttt ttaattocct 420  
 37 gtgccaagtt cagaaatatg ccataatgga acaagataac taaaagaaga aaactacctc 480  
 38 aaggttaaaa aaaccaaaaa aaaaaaaaaa aaaaaaaaaa gggggggaaa caaggggcaa 540  
 39 ag 542  
 42 <210> SEQ ID NO: 2  
 43 <211> LENGTH: 235  
 44 <212> TYPE: DNA  
 45 <213> ORGANISM: Homo sapiens  
 47 <400> SEQUENCE: 2  
 48 acctctcacc actggctgac ttggtgagtg ggggtgtcca aggaggtagg agagataaga 60  
 49 gtcaggctct catagccaaa tactatggct tacagtcccg aggaagggga gatccaaacc 120  
 50 ctggaagaag acaaggcagt agaagtgggc gagtgggagg caggaaaggt tgggtgacag 180  
 51 atcaggaggg gtgtctgacc tttttcttga ggaaattctt aggcaagtga agctt 235  
 54 <210> SEQ ID NO: 3  
 55 <211> LENGTH: 698  
 56 <212> TYPE: DNA  
 57 <213> ORGANISM: Homo sapiens  
 59 <220> FEATURE:  
 60 <221> NAME/KEY: unsure  
 61 <222> LOCATION: (226)  
 63 <220> FEATURE:  
 64 <221> NAME/KEY: unsure

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/823,101

DATE: 04/23/2001

TIME: 13:28:27

Input Set : A:\Dex-2051.app

Output Set: N:\CRF3\04232001\I823101.raw

```

65 <222> LOCATION: (257)/
67 <220> FEATURE:
68 <221> NAME/KEY: unsure
69 <222> LOCATION: (262)/
71 <400> SEQUENCE: 3
72 ccgtgcgggt ctgtccactg ggttcctgct gtggacccta tgccctgtcac caggtgtgct 60
73 ttgcctggat cttcttgtga gtctctgcta tgcctcctgg tcctagcgta tcctataatt 120
74 ctcaacagtc atatcgatga cagacaagca agtgcgtgga acgtgtggca tgcagttcac 180
W--> 75 gatgacgtgg tcaaccaaca tgagagcaca acttgtgtgt ccacantggt ttgaacagag 240
W--> 76 tatagcaciaa cgtgacntgt gnggagctat ccccgatggg gggacatgag tttttccccc 300
77 aaaaatztat ccacccacc aattaataac aagagatatt ttatatgagg ggggggggag 360
78 agagacggga cacaggaaat atcaacaagg aagatggata aacgaaaaca gaaatacaaa 420
79 aaacacatgc gcgtggttat ttttttttta ttaggcagga ggagattaca aatatgaaaa 480
80 gaagagagta atttattttt aaaggggggg gaataaggag agagtagaaa acaaaaatta 540
81 aagaacaaaa actatttttt tgggtggggg ggagaggaga gacacgacga gagaataatt 600
82 atagtattat gcagctatga gagggagacg ccgagagaaa tatttagtgg ggggccgact 660
83 ataatagaaga aacaaaaata atctcaagta tacgccag 698
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 509
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 4
92 caggaaatta ctaacaggat gtgtatatca tcagggaata aacgtaattc tatcaagagg 60
93 aaaaaaaaaa aaaaaaaaaa aaaaaaaccc ggggggaaac caggggacat agcgagtgtc 120
94 ccgggctgga aactgtggta cccggctaca aaactccaaa agaggaaaca ttgtcaacgc 180
95 gctccactac cgcgcacaca gctagagaaa cacatctact agaaactcac aacatatata 240
96 catagtacag agaaacgcca catagagcta ctgcataaa gtacaactgc gcaaagacac 300
97 gtatcagaga ctgacgagag aagaaacgac gacagaggag acaaaaccaac gagccagcgt 360
98 gagcgcgatg aggcagagcg cagatacccg aaagaaacgg ggaagagaca gatgaaagta 420
99 atctcagttg acgaagacca aaagcgagaa gacgatgttg atcaaagaaa ccagcgcgag 480
100 acagactgtg cagaagggtc gagggcgaa 509
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 631
105 <212> TYPE: DNA
106 <213> ORGANISM: Homo sapiens
108 <400> SEQUENCE: 5
109 acaagctttt tttttttttt tttttttttt tttttttttt attttttttt tggggaaaac 60
110 cttttttttt tttttttttt ttttttttta aaacaccccc cttttatttt ttagcagacg 120
111 caccacacaa aaaagggggg ggcgggtgaa aaaacaactc atgtggcctt tcgggggtca 180
112 acccaaggga gtagtttttt tgatgaaaaa aaaaacagga gaggaggata accaccacaa 240
113 aaagaggagg ggtgggcaag agaggagaat ccccaaaaaga tgccagagaa gacccccatt 300
114 ttgtgatgac gtttccccac acaccaagca atatgtgtgt gcggctcaca aaacatcccc 360
115 cctattaaaa agagggacat cagtcgaaag aaaagtccac acagcgtggg acccaaaggg 420
116 gacaacaccc cgctgttttg agacaaaaac acacaggggg gccacacggc cggggggggc 480
117 caaaagaccg aatcacacac acggggggcg gccaaaatgg tgcccgact ccacccacgt 540
118 ggggaaaaatc ggagcaaaag ggctcgggag agaaagtgcc ccgccgccc aacacaaagc 600
119 acaccaaacy ccccacgaca aaaaacaaca t 631
122 <210> SEQ ID NO: 6
123 <211> LENGTH: 108

```

RAW SEQUENCE LISTING                      DATE: 04/23/2001  
 PATENT APPLICATION: US/09/823,101        TIME: 13:28:27

Input Set : A:\Dex-2051.app  
 Output Set: N:\CRF3\04232001\I823101.raw

```

124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 6
128 acctattttgt atatgtgaga tgttttaaata aatgtgaaaa aaatgaaata aagcatgttt 60
129 ggtttttccaa aagaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagcgcg 108
132 <210> SEQ ID NO: 7
133 <211> LENGTH: 105
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 7
138 tgcagtgttg ccagacatcc tgccagttct gtgtacgatg atgcagcgac gatgtgtgta 60
139 tgtgctgctc ttgactag gatcaggccg cttctctga agctt 105
142 <210> SEQ ID NO: 8
143 <211> LENGTH: 388
144 <212> TYPE: DNA
145 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 8
148 actgctgggc cacagtgagc agagagtgtg cctgtgtgca tcatggactt gaacacctac 60
149 agaataccag ggcggggcca tgcgcgagc gacaaagcaa ctctgctaa cgcaaagtct 120
150 gtcgcaggta gaagctacgc gggcctggag cagtgcgtac ccagccacga gtctggcccc 180
151 gatggaaaaca ttgcgaggac gactgagcgg tacgtccagc taatgtggag tccgagtcgt 240
152 cgggtacgcaa agctatgggg gtacactcat aggtgcatac gctagtcttc gctgtagtga 300
153 caatgggtca atacctggta cacaattgtc gcaacaatc gatactgacg catcaccaaa 360
154 tttccaaaac aaacataacg aaccaaaa 388
157 <210> SEQ ID NO: 9
158 <211> LENGTH: 267
159 <212> TYPE: DNA
160 <213> ORGANISM: Homo sapiens
162 <220> FEATURE:
163 <221> NAME/KEY: unsure ✓
164 <222> LOCATION: (33)
166 <220> FEATURE:
167 <221> NAME/KEY: unsure ✓
168 <222> LOCATION: (259)..(260)
170 <220> FEATURE:
171 <221> NAME/KEY: unsure
172 <222> LOCATION: (262) ✓
174 <400> SEQUENCE: 9
W--> 175 acttcacctg tctcagtctc tagagccctg aanaataaaa acaacttatt ttatccagtg 60
176 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
177 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aggggggggg 180
178 gggggggggg gggggggggg gggggggggg gggggggggg gcgccgcccc ccccccccca 240
W--> 179 aaacaaaaag agagaaaann cnttgat 267
182 <210> SEQ ID NO: 10
183 <211> LENGTH: 544
184 <212> TYPE: DNA
185 <213> ORGANISM: Homo sapiens
187 <400> SEQUENCE: 10
188 acacaatggt ttattaaagg aatgtatggc ccacatcaac caagcaaggg attctacatg 60

```

## RAW SEQUENCE LISTING

DATE: 04/23/2001

PATENT APPLICATION: US/09/823,101

TIME: 13:28:27

Input Set : A:\Dex-2051.app

Output Set: N:\CRF3\04232001\I823101.raw

```

189 gtaaagcctt cctatgtgcc aagaggaaga aacagagcat ggagttggac gtggctaggt 120
190 ggtgggtgtg cacggcgatg gagagagaag ggcataaagg gtcgtagaac gcatgaatgg 180
191 ggggtctaaga atgcttggtg gtagattcat ggtacactag cgtgtattcc tgggtgtgac 240
192 aattcggtta tccgcgtcac acattccagc agcaacatac tgatgccaat ccagtgcacg 300
193 ctggatacgc acagcagcaa tcacgagctg gctgctctcc tttatggaca cagacctatc 360
194 aggcgtaacc tgtgcttggc tcctggtacc agccaattcg cacggctact tatgtaacac 420
195 acggcgcgagc tgattatcac ggactcaacc caggccaaaa ccctacccta tatctataag 480
196 acggcgcgagt ttgcacggac gatcgctctc gcagctccag cagctcctta acagtgcacat 540
197 agca 544
200 <210> SEQ ID NO: 11
201 <211> LENGTH: 391
202 <212> TYPE: DNA
203 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 11
206 actcttcaat caacaagacc tgatgcaaaa aacagaaaaa gggaagatgt gagggatcag 60
207 tcagagtggg gggctcaaga gtggacttaa tgagggctgt ctcaagggtc tgtaataaat 120
208 aaacagagta agcagtcact aacaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggtttgggg 180
209 gcggggcccc ctcccccccc attccgggcg tgtgtgtccc cgtgaaaaag gggcccaaat 240
210 atacactagt tccccggggg gagaaaacaa aaaaaacaaa aaacaaaaaa aacggggggg 300
211 gggaccccg gggaccaaca ggggagccgg gggggagaaa gggggacccc gggccaaaaa 360
212 ccccccaaaa ataagagacg aaaaagcatg c 391
215 <210> SEQ ID NO: 12
216 <211> LENGTH: 638
217 <212> TYPE: DNA
218 <213> ORGANISM: Homo sapiens
220 <400> SEQUENCE: 12
221 tttttttttt tttttttttt tttttttttt caaacaaaaa tttttttggc ccttaaaacc 60
222 cttgggccgt ttaaaaaatg gaaaagcact gaaagtgcac gcgggggagg aaaaaaccaa 120
223 aaaaacagat aaaaagtgga gggggccgag ggtgggggga atacaccaa tttctctcc 180
224 cgaggaggga gtccccaca gcgcgcccc tccccagtga gtgtgttggc accccaaaca 240
225 cggggcgggc tgactcccc cgctgacat agttcgtgga atcttgccag acttgggtgt 300
226 accctccctt tatcgtttta tttctttccc cctcaaaaat gggctggtgt ccttctccga 360
227 aggtgtcccc ccaagggggc cggggctgga gagggggggg ggggattctc tcccccggtg 420
228 caaggtatth cctcatatcc ggtttctcct ctcccaattt ttcccagggg ggccggcgcc 480
229 gtgggtgggt ttggccccac cccaactttt gttcgtgtta cagggttttc ccgggggggc 540
230 ccgaggtttt tttccctgtt ctctcccttg tttcaaggcg ctttgtggcc caatgtcttt 600
231 ccgcgttttg tcacacggtg cgtggcccac tctcgtctg 638
234 <210> SEQ ID NO: 13
235 <211> LENGTH: 270
236 <212> TYPE: DNA
237 <213> ORGANISM: Homo sapiens
239 <220> FEATURE:
240 <221> NAME/KEY: unsure /
241 <222> LOCATION: (266)
243 <220> FEATURE:
244 <221> NAME/KEY: unsure
245 <222> LOCATION: (270) /
247 <400> SEQUENCE: 13
248 acaagctttt tttttttttt tttttttttt tttttctttt tttttttttt ttaatttttt 60

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/823,101

DATE: 04/23/2001  
 TIME: 13:28:27

Input Set : A:\Dex-2051.app  
 Output Set: N:\CRF3\04232001\I823101.raw

```

249 tttttttttt ttttttcccc cgtgggagca cacggtcaat ttgggggcca ggtctcccgg 120
250 gggagcaggg cgcgggaggg gggggtggag cagggggcaa cgccccagga acgcggggcg 180
251 acacacaggg gacaaagggg ggggtcccgtg, tggggaaatg gtgtaccggg ccacaaattc 240
W--> 252 cccacaacaa taaacagaca agtcantctn 270
255 <210> SEQ ID NO: 14
256 <211> LENGTH: 22
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
263 <400> SEQUENCE: 14
264 aggggaaggg ctagaacaaa at 22
267 <210> SEQ ID NO: 15
268 <211> LENGTH: 23
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
275 <400> SEQUENCE: 15
276 agcatgagtg gacctacaca aga 23
279 <210> SEQ ID NO: 16
280 <211> LENGTH: 29
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
287 <400> SEQUENCE: 16
288 taagggtcatg tggctctctgc ctgctctct 29
291 <210> SEQ ID NO: 17
292 <211> LENGTH: 20
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
299 <400> SEQUENCE: 17
300 atggccttaca gtcccagga 20
303 <210> SEQ ID NO: 18
304 <211> LENGTH: 21
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
311 <400> SEQUENCE: 18
312 ctccctgatc tgtcacccaa c 21
315 <210> SEQ ID NO: 19
316 <211> LENGTH: 26
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/823,101

DATE: 04/23/2001

TIME: 13:28:28

Input Set : A:\Dex-2051.app

Output Set: N:\CRF3\04232001\I823101.raw

L:14 M:270 C: Current Application Number differs, Replaced Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:75 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:76 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:175 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:179 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:9  
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9  
L:252 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13  
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13